

Predictive Ranking	Residue	Amino Acid Sequence	Secondary Structure
7	27 – 45	Tgtdmklrlpaspethldm	25 – 28 $\beta$ turn; 29 – 32 $\alpha$ helix; 35 – 38 $\beta$ turn
8 (DW5)	115 – 136	AVLDNGDPLNNTTPVTGASPGG	116 – 135 $\beta$ turn
9	168 – 189	LWKDIFHKNNQLALTLIDTNRS	173 – 176 $\beta$ turn; 177 – 181 $\alpha$ helix
1	182 – 216	TLIDTNRSRACHPCSPMCKGSRCWG ESSEDCQSLT	184 – 212 $\beta$ turn/loop
6	270 – 290	ALVTYNTDTFESMPNPEGRT	273 – 286 $\beta$ turn; 278 – 280 $\alpha$ helix
3	316 – 339	PLHNQEVTAEDGTQRAEKCSKPCA	319 – 324 $\alpha$ helix; 324 – 336 $\beta$ turn.
10 (DW1)	376 – 395	PESFDGDPASNTAPLQPE	379 – 388 $\beta$ turn
12 (DW6)	410-429	LYISAWPDSLPLSVFQNLQ	413-421 $\beta$ turn
2	485 – 503	LFRNPHQALLHTANRPEDE	497 – 500 $\beta$ turn; 499 – 504 $\alpha$ helix
11	560 – 593	CLPCHPECQPQNGSVTCFGPEADQCVACAH YKDP	561 – 572 & 589 – 593 $\beta$ turn; 579 – 581 $\alpha$ helix
4	605 – 622	KPDLSYMPIWKFPDEEGA	616 – 620 $\alpha$ helix
5 (DW4)	628 – 650	INGTHSCVDLDDKGCPAEQRASP	635 – 642 $\beta$ turn; 643 – 646 $\alpha$ helix

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Please replace the Sequence Listings which were filed on April 9, 2001, November 21, 2001, and April 1, 2002 with the Sequence Listing which is attached hereto.

#### IN THE CLAIMS:

1. (Once Amended) A composition for stimulating an immune response to HER-2 protein, wherein said composition is a chimeric peptide and comprises a HER-2 B cell epitope, a T helper (Th) epitope, and a linker joining said HER-2 B cell epitope to said Th epitope; said HER-2 B cell epitope being from 15 to 40 amino acids in length and comprising a sequence selected from the group consisting of:

TGTDMKLRLPASPETHLDM, SEQ ID NO. 1, or a functional equivalent thereof;

TLIDTNRSRACHPCSPMCKGSRCWGESSEDCQSLT, SEQ ID NO. 4, or a functional equivalent thereof;

ALVTYNTDTFESMPNPEGRT, SEQ ID NO. 5, or a functional equivalent thereof;

PLHNQEVTAEDGTQRAEKCSKPCA, SEQ ID NO. 6, or a functional equivalent thereof;

LFRNPHQALLHTANRPEDE, SEQ ID NO. 9, or a functional equivalent thereof;